

Abstract of the Disclosure

Disclosed is a lightning arrester. The lightning arrester safely discharges earth charge of a main electrode section and an auxiliary electrode section regardless of a variation of charge contained in air, so charge charged in a thundercloud is safely discharged into the earth even if the
5 thundercloud is located far-remote from the earth. The lightning arrester has a fixing base fixedly installed on an object to be protected by grounding a lightning circuit connected to a ground electrode grounded to an earth, a fixing bar vertically installed at one side of an upper surface of the fixing base and made of conductive material, a main electrode section making contact with an upper portion of the fixing bar and made of conductive material, an upper polymer insulator
10 including an elongated column member formed at a center thereof with a hollow section for receiving the fixing bar therein, and upper and lower disc-shaped plates integrally formed at an upper end of the elongated column member for ensuring an insulation distance, and an auxiliary electrode section aligned below the main electrode section without making contact with the main electrode section and made of conductive material. The elongated column member of the upper
15 polymer insulator passes through a center of the auxiliary electrode section in order to fill space charge in the auxiliary electrode section.